

25X1A

PALO ALTO, CALIFORNIA

PRINCIPAL LABORATORY AND SHOP FACILITIES

1. SIGNAL SOURCES

Hewlett-Packard Model 202A Low Frequency Function Generator, 0.008 to 1200 cps  
Hewlett-Packard Model 200CD Wide Range Oscillator, 5 cps to 600 Kc  
Rutherford Model B7 Pulse Generator  
F-B Research Inc. 131 Pulse Generator, 0.1 to 500  $\mu$ s, 10 cps to 100 Kc  
Hewlett-Packard Model 606A Signal Generator, 50 Kc to 65 Mc  
General Radio Model 804 Signal Generator, 2 to 330 Mc  
3 - Jerrold Model 900A Sweep Frequency Generators, .5 to 1200 Mc  
2 - Hewlett-Packard Model 608C Signal Generator, 10 to 480 Mc  
Hewlett-Packard Model 612A Signal Generator, 450 to 1250 Mc  
Hewlett-Packard Model 614A Signal Generator, 800 to 2100 Mc  
Hewlett-Packard Model 616B Signal Generator, 1800 to 4000 Mc  
Hewlett-Packard Model 618B Signal Generator, 3800 to 7600 Mc  
2 - Hewlett-Packard Model 620A Signal Generator, 7000 to 11,000 Mc  
Hewlett-Packard Model 626A Signal Generator, 10,000 to 15,500 Mc  
Hewlett-Packard Model 628A Signal Generator, 15,000 to 21,000 Mc  
Alfred Model 305A Square Wave Generator, 850 to 1150 cps  
Hewlett-Packard Model 938A Frequency Doubler Set, 18,000 to 26,500 Mc  
Hewlett-Packard Model 940A Frequency Doubler, 26,500 to 40,000 Mc  
Hewlett-Packard Model 342A Noise Figure Meter  
Airborne Instruments Laboratory Model 07006 Plug-In Diode Noise Source, 10 to 250 Mc

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SIGNAL SOURCES - Continued

Hewlett-Packard Model 343A Noise Source, 10 to 600 Mc

2 - Airborne Instruments Laboratory Model 07010 Noise Source, 200 to 2600 Mc

Hewlett-Packard Model S347A Waveguide Noise Source, 2600 to 3950 Mc

Hewlett-Packard Model G347A Waveguide Noise Source, 3950 to 5850 Mc

Hewlett-Packard Model J347A Waveguide Noise Source, 5300 to 8200 Mc

Hewlett-Packard Model X347A Waveguide Noise Source, 8200 to 12,400 Mc

Hewlett-Packard Model P347A Waveguide Noise Source, 12,400 to 18,000 Mc

2. ELECTRONIC MEASURING INSTRUMENTS

14 - Volt-Ohm Milliammeters, including Triplet Models 630 PL and 630 MA, Precision Instruments Model 120, etc.

Shallcross Model 670-A Milliohmeter, .001 to .5 ohms

Weston AC Ammeter Model 433, 25 to 500 cycles

Westinghouse Model PY-5 Wattmeter, DC to 1000 cycles

Airborne Instruments Laboratory Model 07404 Automatic Noise Figure Indicator, 0 to 36 db

2 - Hewlett-Packard Model 415B SWR Indicators

Hewlett-Packard Model 400D VTVM, 10 cps to 4 Mc

Hewlett-Packard Model 410B VTVM, 20 cps to 700 Mc

Hewlett-Packard Model 412A DC Vacuum Tube VTVM, .0001 to 1000 v or ma

Hewlett-Packard Model 430C Power Meter with Model 477B Coaxial Thermistor Mount, 10 to 10,000 Mc

Measurements Corporation Model 58 Megacycle Meter with LF and UHF Heads, 0.1 to 940 Mc

Airborne Instruments Type 390A Crystal Test Set

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ELECTRONIC MEASURING INSTRUMENTS - Continued

Tektronix Model 130 LC Meter

3 - Tektronix Model 502 Oscilloscopes, DC to 1 Mc

Tektronix Model 310A Oscilloscope, DC to 4 Mc

2 - Tektronix Model 515A Oscilloscopes, DC to 15 Mc

Tektronix Model 543 Oscilloscope, DC to 30 Mc

Tektronix Model 543A Oscilloscope, DC to 30 Mc

Hammarlund Model HQ-120 Receiver, .5 to 32 Mc

2 - Hewlett-Packard Model 460AR Wideband Amplifiers, .1 to 150 Mc

Menlo Park Engineering Model 742 TWT Amplifier, 8,000 to 12,000 Mc

2 - Applied Technology, Inc. Model ZC-3 VSWR Comparators, 50 to 1500 Mc

General Radio Model 1602B Admittance Meter, 20 to 1500 Mc

2 - Hewlett-Packard Model 355A VHF Attenuators

2 - Hewlett-Packard Model 355B VHF Attenuators

Hewlett-Packard Model 355C VHF Attenuator

Hewlett-Packard Model 355D VHF Attenuator

Hewlett-Packard Model 805A Slotted Line Assembly, 500 to 4000 Mc

Hewlett-Packard Model 809B Slotted Line Assembly, 8200 to 18,000 Mc

Hewlett-Packard Model 814B Slotted Line Assembly, 18,000 to 40,000 Mc

2 - Gyralline Model R920 Ferrite Modulators, 8200 to 12,400 Mc

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ELECTRONIC MEASURING INSTRUMENTS - Continued

Narda Standard Gain Horn Antennas, 12,000 to 40,000 Mc

Miscellaneous Variable and Fixed Attenuators, Stub Tuners, Adaptors,  
Directional Couplers, etc.

3. POWER SOURCES

3 phase 400 cps 2 kva motor generator set

28 v dc 300 amp and 115 v, 3 phase 400 cps 2500 va motor generator set

Behlman Engineering Model 161A Invertron Power Supply, 100 to 130 v

5 - Hewlett-Packard Model 721A Transistor Power Supplies

Hewlett-Packard Model 715A Klystron Power Supply, 900 v dc

4 - Hewlett-Packard Model 711A Laboratory Supplies

2 - Hewlett-Packard Model 712B Laboratory Supplies

Lambda Electronics Model C481M Power Supply

Lambda Electronics Model C881M Power Supply

Oregon Electronics Model B3 Dual Power Supply

Kepko ABC 40-0.5M Regulated DC Supply, 0 to 40 v dc

Precise Measurements Model 6025A HV Power Supply, 0 to 25 kv dc

4. ENVIRONMENTAL TEST FACILITIES

Altitude Chamber, 3 ft. diameter hemisphere. Pumps to less than .5 inches  
hg (100,000 ft.) in 20 minutes.

Delta Temperature Chamber, -55°C to +320°C

Victor Temperature Chamber, 12 cu. ft., -55°C to +35°C operating range

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ENVIRONMENTAL TEST FACILITIES - Continued

Litten Model 14-28 Vibration Testing Machine

Lewis Model 14P0 Pyrometer Potentiometer, -60°C to +550°C

Miscellaneous mercury manometers, altimeters, and thermometers for use with above facilities

5. FABRICATION EQUIPMENT

Fanco F36 Squaring Shear, 36-inch

DIACro No. 4 Shear, 24-inch

DIACro No. 2 Precision Notcher

Whitney Jensen No. 68 Toggle Press

Rotex R-18A Turret Punch with Production Table

DIACro No. 2 Precision Punch

Black and Webster Model BS Electropunch

Delta 18-inch Drill Press

Homecraft No. 32 Drill Press

Levin Model ABKP Micro Drill Press

Black and Decker 1/2-inch Electric Hand Drill

2 - Black and Decker 1/4-inch Electric Hand Drills

2 - Du Wel 1/4-inch Electric Hand Drills

Lake Erie Model 418H Form-A11, 48-inch

DIACro No. 4 Precision Box Brake

Rotex No. 1272 Minute Brake

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FABRICATION EQUIPMENT - Continued

Delta 9-inch Table Saw, with Blades for Metal and Plastic

Craftsman 8-inch Table Saw

Black and Decker Heavy Duty Jig Saw

Craftsman 6-inch Dual Wheel Grinder

Delta 6-inch Abrasive Belt Finishing Machine

Black and Decker Model 88 Heavy Duty Orbital Sander

Logan Model 200 Metal Cutting Lathe, 24 inches Between Centers

Riley Model MV-1 Benchmaster Mill

Complete Aluminum Etching and Alodining Facility

6. MISCELLANEOUS

5 - Superior Electric Powerstats

Evershed and Vignoles 500 v Megger

Hewlett-Packard Model 196A Oscilloscope Camera

Polaroid Model 110A Camera

Polaroid Model 2401 Print Copier

Ozalid Reproducer Model 200, 42-inch Width

Standard Corp. Rocket Model Hectograph Duplicator

Thermofax Model 44 Copying Machine

Speed Aire Air Compressor, 430 to 690 rpm

Bausch and Lomb Surface Inspection Magnifier

Do-All Precision Gage Set